

Author Index Volume 28

Aller, P., see Rius, C. (28) 39

Beyer, H.S., Sharp, B.M. and Zieve, L.
An analysis of total RNA translation products of rat liver during regeneration with a comparison to fetal liver (28) 119

Bjernereth, G., see Kärtström, P.-O. (28) 47

Chanoine, C., Guyot-Lenfant, M., D'Albis, A., Durand, J.P., Perasso, F., Salles-Mourlan, A.-M., Janmot, C. and Gallien, C.L.
Thyroidal status and myosin isoenzymic pattern in the skeletal dorsal muscle of urodelan amphibians - the perennibranchiate *Proteus anguinus* (28) 135

Charbonneau, M. and Grandin, N.
The egg of *Xenopus laevis*: a model system for studying cell activation (28) 71

Chou, S.-C., Yang, C., Kimler, V.A., Taylor, J.D. and Tchen, T.T.
Reversible dedifferentiation and redifferentiation of a melanized cell line from a goldfish tumor (28) 105

D'Albis, A., see Chanoine, C. (28) 135

De Felici, M., Dolci, S. and Siracusa, G.
Fetal germ cells establish cell coupling with follicle cells in vitro (28) 65

Dolci, S., see De Felici, M. (28) 65

Durand, J.P., see Chanoine, C. (28) 135

Ecob-Prince, M.S., see Hill, M.A. (28) 145

Ershov, A.V. and Stroeva, O.G.
Post-natal pattern of cell proliferation in retinal pigment epithelium of mice studied with tritiated thymidine autoradiography (28) 173

Frunchak, Y.N., see Milos, N.C. (28) 203

Gall, L., Le Guen, P. and Huneau, D.
Cytokeratin-like proteins in the sheep oocyte (28) 95

Gallien, C.L., see Chanoine, C. (28) 135

Grainger, R.M., see Saha, M.S. (28) 153

Grandin, N., see Charbonneau, M. (28) 71

Greene, R.M., see Linask, K.K. (28) 189

Grunz, H. and Tacke, L.
Neural differentiation of *Xenopus laevis* ectoderm takes place after disaggregation and delayed reaggregation without inducer (28) 211

Guyot-Lenfant, M., see Chanoine, C. (28) 135

Hill, M.A., Ecob-Prince, M.S. and Hoh, J.F.Y.
Regeneration of cat posterior temporalis muscle in culture (28) 145

Hoh, J.F.Y., see Hill, M.A. (28) 145

Holmdahl, R., see Kärtström, P.-O. (28) 47

Huneau, D., see Gall, L. (28) 95

Janmot, C., see Chanoine, C. (28) 135

Kärtström, P.-O., Bjernereth, G., Nilsson, B.O., Holmdahl, R. and Larsson, E.
A retroviral gp70-related protein is expressed at specific stages during mouse oocyte maturation and in preimplantation embryos (28) 47

Kimler, V.A., see Chou, S.-C. (28) 105

Komaki, M.K., see Okada, K. (28) 27

Kosher, R.A., see Rodgers, B.J. (28) 179

Kulyk, W.M., see Rodgers, B.J. (28) 179

Kume, T.U., see Yamamoto, T. (28) 129

Larsson, E., see Kärtström, P.-O. (28) 47

Le Guen, P., see Gall, L. (28) 95

Linask, K.K. and Greene, R.M.
Ontogenetic analysis of embryonic palatal type I and type II cAMP-dependent protein kinase isozymes (28) 189

Ma, Y., see Milos, N.C. (28) 203

Masuko, K., see Yamamoto, T. (28) 129

Milos, N.C., Ma, Y. and Frunchak, Y.N.
Involvement of endogenous galactoside-binding lectin of *Xenopus laevis* in pattern formation of *Xenopus* neurites in vitro (28) 203

Misumi, Y., see Shiokawa, K. (28) 17

Nakakura, N., see Shiokawa, K. (28) 17

Nilsson, B.O., see Kärtström, P.-O. (28) 47

Obinata, M., see Yamamoto, T. (28) 129

Oh-uchida, M., see Shiokawa, K. (28) 17

Ohlsson, R.
Growth factors, protooncogenes and human placental development (28) 1

Okada, K., Komaki, M.K. and Shimura, Y.
Mutational analysis of pistil structure and development of *Arabidopsis thaliana* (28) 27

Peel, S. and Stewart, I.
Rat granulated metrial gland cells differentiate in pregnant chimeric mice and may be cytotoxic for mouse trophoblast (28) 55

Perasso, F., see Chanoine, C. (28) 135

Rius, C. and Aller, P.
Modulation of ornithine decarboxylase gene transcript levels by differentiation inducers in human promyelocytic leukemia HL60 cells (28) 39

Rodgers, B.J., Kulyk, W.M. and Kosher, R.A.
Stimulation of limb cartilage differentiation by cyclic AMP is dependent on cell density (28) 179

Saha, M.S., Spann, C.L. and Grainger, R.M.
Embryonic lens induction: more than meets the optic vesicle (28) 153

Salles-Mourlan, A.-M., see Chanoine, C. (28) 135

Sharp, B.M., see Beyer, H.S. (28) 119

Shimura, Y., see Okada, K. (28) 27

Shiokawa, K., Misumi, Y., Tashiro, K., Nakakura, N., Yamana, K. and Oh-uchida, M.
Changes in the patterns of RNA synthesis in early embryogenesis of *Xenopus laevis* (28) 17

Siracusa, G., see De Felici, M. (28) 65

Spann, C.L., see Saha, M.S. (28) 153

Stewart, I., see Peel, S. (28) 55

Stroeva, O.G., see Ershov, A.V. (28) 173

Tacke, L., see Grunz, H. (28) 211

Takada, S., see Yamamoto, T. (28) 129

Tashiro, K., see Shiokawa, K. (28) 17

Taylor, J.D., see Chou, S.-C. (28) 105

Tchen, T.T., see Chou, S.-C. (28) 105

Yamamoto, T., Masuko, K., Takada, S., Kume, T.U. and Obinata, M.
A balance between self-renewal and commitment in the murine erythroleukemia cells with the transferred *c-myc* gene; an in vitro stochastic model (28) 129

Yamana, K., see Shiokawa, K. (28) 17

Yang, C., see Chou, S.-C. (28) 105

Zieve, L., see Beyer, H.S. (28) 119

Subject Index Volume 28

Albino mice

Retinal pigment epithelium; Cell proliferation; [³H]Thymidine autoradiography (Ershov, A.V. (28) 173)

Antibody

Sheep oocyte; Cytokeratin (Gall, L. (28) 95)

Arabidopsis thaliana

Flower mutant; Pistil structure; Floral development; Carpel theory; Pistil organogenesis (Okada, K. (28) 27)

Blastocyst

Oocyte; Preimplantation phase; Retroviridae protein (Kättström, P.-O. (28) 47)

Bone marrow

Granulated metrial gland cell; Pregnancy; Chimera; Metrial gland; Cytotoxicity; Placenta (Peel, S. (28) 55)

Carpel theory

Arabidopsis thaliana; Flower mutant; Pistil structure; Floral development; Pistil organogenesis (Okada, K. (28) 27)

Cat muscle

Tissue culture; Myosin; Thyroid hormone (Hill, M.A. (28) 145)

Cell activation

Xenopus egg; Membrane electrical properties; Cytoskeleton; Fertilization; Early embryonic development (Charbonneau, M. (28) 71)

Cell adhesion

Fetal germ cell; Follicle cell; Cell coupling; Dye transfer (De Felici, M. (28) 65)

Cell coupling

Cell adhesion; Fetal germ cell; Follicle cell; Dye transfer (De Felici, M. (28) 65)

Cell proliferation

Retinal pigment epithelium; Albino mice; [³H]Thymidine autoradiography (Ershov, A.V. (28) 173)

Chimera

Granulated metrial gland cell; Pregnancy; Bone marrow; Metrial gland; Cytotoxicity; Placenta (Peel, S. (28) 55)

c-myc

Commitment; Gene transfer; Murine erythroleukemia cell; Stochastic model (Yamamoto, T. (28) 129)

Commitment

c-myc; Gene transfer; Murine erythroleukemia cell; Stochastic model (Yamamoto, T. (28) 129)

Cytokeratin

Sheep oocyte; Antibody (Gall, L. (28) 95)

Cytoskeleton

Xenopus egg; Cell activation; Membrane electrical properties; Fertilization; Early embryonic development (Charbonneau, M. (28) 71)

Cytotoxicity

Granulated metrial gland cell; Pregnancy; Bone marrow; Chimera; Metrial gland; Placenta (Peel, S. (28) 55)

Dedifferentiation

Melanocyte; Tyrosinase; Differentiation (Chou, S.-C. (28) 105)

Differentiation

Ornithine decarboxylase; Gene expression; Leukemia cell (Rius, C. (28) 39)

Melanocyte; Tyrosinase; Dedifferentiation (Chou, S.-C. (28) 105)

Disaggregation

Neural induction; Induction without external inducer; Mesodermal induction (Grunz, H. (28) 211)

Dye transfer

Cell adhesion; Fetal germ cell; Follicle cell; Cell coupling (De Felici, M. (28) 65)

Early embryonic development

Xenopus egg; Cell activation; Membrane electrical properties; Cytoskeleton; Fertilization (Charbonneau, M. (28) 71)

Embryonic

Palate; Protein kinase A (Linask, K.K. (28) 189)

Fertilization

Xenopus egg; Cell activation; Membrane electrical properties; Cytoskeleton; Early embryonic development (Charbonneau, M. (28) 71)

Fetal germ cell

Cell adhesion; Follicle cell; Cell coupling; Dye transfer (De Felici, M. (28) 65)

Floral development

Arabidopsis thaliana; Flower mutant; Pistil structure; Carpel theory; Pistil organogenesis (Okada, K. (28) 27)

Flower mutant

Arabidopsis thaliana; Pistil structure; Floral development; Carpel theory; Pistil organogenesis (Okada, K. (28) 27)

Follicle cell

Cell adhesion; Fetal germ cell; Cell coupling; Dye transfer (De Felici, M. (28) 65)

Galactoside-binding lectin

Neurite; Neural crest (Milos, N.C. (28) 203)

Gene expression

Ornithine decarboxylase; Leukemia cell; Differentiation (Rius, C. (28) 39)

Gene transfer

c-myc; Commitment; Murine erythroleukemia cell; Stochastic model (Yamamoto, T. (28) 129)

Granulated metrial gland cell

Pregnancy; Bone marrow; Chimera; Metrial gland; Cytotoxicity; Placenta (Peel, S. (28) 55)

[³H]Thymidine autoradiography

Retinal pigment epithelium; Cell proliferation; Albino mice (Ershov, A.V. (28) 173)

Induction without external inducer

Neural induction; Disaggregation; Mesodermal induction (Grunz, H. (28) 211)

Leukemia cell

Ornithine decarboxylase; Gene expression; Differentiation (Rius, C. (28) 39)

Liver regeneration

Translation product; Two-dimensional electrophoresis (Beyer, H.S. (28) 119)

Low-molecular-weight RNA

Midblastula transition; Preblastula RNA synthesis; *Xenopus* embryonic cell (Shiokawa, K. (28) 17)

Melanocyte

Tyrosinase; Differentiation; Dedifferentiation (Chou, S.-C. (28) 105)

Membrane electrical properties

Xenopus egg; Cell activation; Cytoskeleton; Fertilization; Early embryonic development (Charbonneau, M. (28) 71)

Mesodermal induction

Neural induction; Disaggregation; Induction without external inducer (Grunz, H. (28) 211)

Metamorphosis

Myosin; Thyroid hormone; Urodelan amphibian; Skeletal muscle; *Proteus anguinus* (Chanoine, C. (28) 135)

Metrial gland

Granulated metrial gland cell; Pregnancy; Bone marrow; Chimera; Cytotoxicity; Placenta (Peel, S. (28) 55)

Midblastula transition

Preblastula RNA synthesis; *Xenopus* embryonic cell; Low-molecular-weight RNA (Shiokawa, K. (28) 17)

Murine erythroleukemia cell

c-myc; Commitment; Gene transfer; Stochastic model (Yamamoto, T. (28) 129)

Myosin

Thyroid hormone; Metamorphosis; Urodelan amphibian; Skeletal muscle; *Proteus anguinus* (Chanoine, C. (28) 135)

Tissue culture; Cat muscle; Thyroid hormone (Hill, M.A. (28) 145)

Neural crest

Neurite; Galactoside-binding lectin (Milos, N.C. (28) 203)

Neural induction

Disaggregation; Induction without external inducer; Mesodermal induction (Grunz, H. (28) 211)

Neurite

Neural crest; Galactoside-binding lectin (Milos, N.C. (28) 203)

Oocyte

Blastocyst; Preimplantation phase; Retroviridae protein (Kättström, P.-O. (28) 47)

Ornithine decarboxylase

Gene expression; Leukemia cell; Differentiation (Rius, C. (28) 39)

Palate

Protein kinase A; Embryonic (Linask, K.K. (28) 189)

Pistil organogenesis

Arabidopsis thaliana; Flower mutant; Pistil structure; Floral development; Carpel theory; Pistil organogenesis (Okada, K. (28) 27)

Pistil structure

Arabidopsis thaliana; Flower mutant; Floral development; Carpel theory; Pistil organogenesis (Okada, K. (28) 27)

Placenta

Granulated metrial gland cell; Pregnancy; Bone marrow; Chimera; Metrial gland; Cytotoxicity (Peel, S. (28) 55)

Preblastula RNA synthesis

Midblastula transition; *Xenopus* embryonic cell; Low-molecular-weight RNA (Shiokawa, K. (28) 17)

Pregnancy

Granulated metrial gland cell; Bone marrow; Chimera; Metrial gland; Cytotoxicity; Placenta (Peel, S. (28) 55)

Preimplantation phase

Blastocyst; Oocyte; Retroviridae protein (Köttström, P.-O. (28) 47)

Protein kinase A

Palate; Embryonic (Linaski, K.K. (28) 189)

Proteus anguinus

Myosin; Thyroid hormone; Metamorphosis; Urodelan amphibian; Skeletal muscle (Chanoine, C. (28) 135)

Retinal pigment epithelium

Cell proliferation; Albino mice; [³H]Thymidine autoradiography (Ershov, A.V. (28) 173)

Retroviridae protein

Blastocyst; Oocyte; Preimplantation phase (Köttström, P.-O. (28) 47)

Sheep oocyte

Cytokeratin; Antibody (Gall, L. (28) 95)

Skeletal muscle

Myosin; Thyroid hormone; Metamorphosis; Urodelan amphibian; *Proteus anguinus* (Chanoine, C. (28) 135)

Stochastic model

c-myc; Commitment; Gene transfer; Murine erythroleukemia cell (Yamamoto, T. (28) 129)

Thyroid hormone

Myosin; Metamorphosis; Urodelan amphibian; Skeletal muscle; *Proteus anguinus* (Chanoine, C. (28) 135)

Tissue culture; Myosin; Cat muscle (Hill, M.A. (28) 145)

Tissue culture

Myosin; Cat muscle; Thyroid hormone (Hill, M.A. (28) 145)

Translation product

Liver regeneration; Two-dimensional electrophoresis (Beyer, H.S. (28) 119)

Two-dimensional electrophoresis

Liver regeneration; Translation product (Beyer, H.S. (28) 119)

Tyrosinase

Melanocyte; Differentiation; Dedifferentiation (Chou, S.-C. (28) 105)

Urodelan amphibian

Myosin; Thyroid hormone; Metamorphosis; Skeletal muscle; *Proteus anguinus* (Chanoine, C. (28) 135)

***Xenopus* egg**

Cell activation; Membrane electrical properties; Cytoskeleton; Fertilization; Early embryonic development (Charbonneau, M. (28) 71)

***Xenopus* embryonic cell**

Midblastula transition; Preblastula RNA synthesis; Low-molecular-weight RNA (Shiokawa, K. (28) 17)